



TROPICAL CYCLONE BULLETIN NO. 13

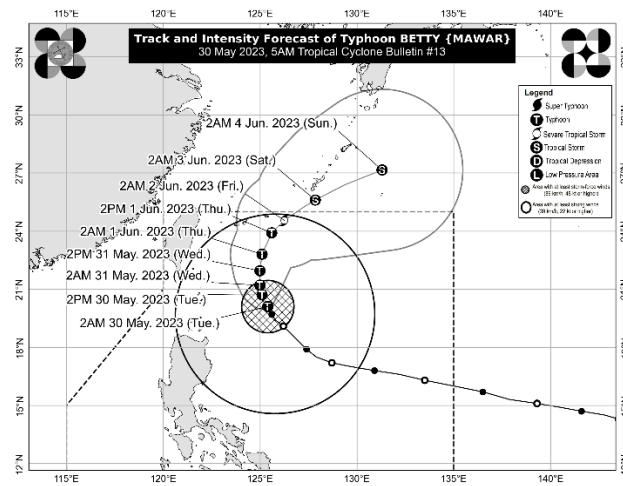
Typhoon BETTY (MAWAR)

Issued at 5:00 AM, 30 May 2023

Valid for broadcast until the next bulletin at 11:00 AM today.


TYPHOON BETTY FURTHER WEAKENS OVER THE SEA EAST OF BATANES

Location of Center (4:00 AM)
The center of the eye of Typhoon BETTY was estimated based on all available data at 350 km East of Basco, Batanes (20.2°N, 125.3°E)
Intensity
Maximum sustained winds of 150 km/h near the center, gustiness of up to 185 km/h , and central pressure of 955 hPa
Present Movement
North northwestward at 10 km/h
Extent of Tropical Cyclone Winds
Strong to typhoon-force winds extend outwards up to 630 km from the center



TRACK AND INTENSITY FORECAST

Date and Time	Center Position			Intensity		Movement dir. and speed (km/h)
	Lat. (°N)	Lon. (°E)	Location	MSW (km/h)	Cat.	
12-Hour Forecast 2:00 PM 30 May 2023	20.7	125.1	330 km East of Basco, Batanes	150	TY	NNW Slowly
24-Hour Forecast 2:00 AM 31 May 2023	21.2	125.0	330 km East of Itbayat, Batanes	150	TY	N Slowly
36-Hour Forecast 2:00 PM 31 May 2023	22.0	125.0	355 km East Northeast of Itbayat, Batanes	140	TY	N Slowly
48-Hour Forecast 2:00 AM 01 June 2023	22.8	125.1	405 km Northeast of Itbayat, Batanes	130	TY	NNE 10
60-Hour Forecast 2:00 PM 01 June 2023	23.9	125.6	520 km Northeast of Itbayat, Batanes	120	TY	NNE 10
72-Hour Forecast 2:00 AM 02 June 2023	24.6	126.3	625 km Northeast of Itbayat, Batanes	110	STS	NE 10
96-Hour Forecast 2:00 AM 03 June 2023	25.6	127.9	820 km Northeast of Extreme Northern Luzon (OUTSIDE PAR)	85	TS	NE 10
120-Hour Forecast 2:00 AM 04 June 2023	27.2	131.3	1,195 km Northeast of Extreme Northern Luzon (OUTSIDE PAR)	75	TS	ENE 15

Prepared by: 
PCDM

Checked by: 
RPG



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TROPICAL CYCLONE WIND SIGNALS (TCWS) IN EFFECT			
TCWS No.	Luzon	Visayas	Mindanao
2 Wind threat: Gale-force winds	Batanes and the northeastern portion of Cagayan (Santa Ana, Gonzaga) including Babuyan Islands	-	-
	Warning lead time: 24 hours Range of wind speeds: 62 to 88 km/h (Beaufort 8 to 9) Potential impacts of winds: Minor to moderate threat to life and property		
1 Wind threat: Strong winds	The rest of mainland Cagayan, the northern and eastern portions of Isabela (Santo Tomas, Santa Maria, Quezon, San Mariano, Dinapigue, Delfin Albano, San Pablo, Ilagan City, Benito Soliven, Tumauni, Cabagan, Palanan, Quirino, Divilacan, Gamu, Maconacon, Naguilian, Mallig), the eastern portion of Ilocos Norte (Piddig, Bangui, Vintar, Marcos, Pagudpud, Banna, Adams, Carasi, Dingras, Solsona, Dumalneg, Nueva Era), Apayao, the northern portion of Kalinga (City of Tabuk, Balbalan, Pinukpuk, Rizal), and the northeastern portion of Abra (Tineg, Lacub, Malibcong)	-	-
	Warning lead time: 36 hours Range of wind speeds: 39 to 61 km/h (Beaufort 6 to 7) Potential impacts of winds: Minimal to minor threat to life and property		

HAZARDS AFFECTING LAND AREAS
<p><u>Heavy Rainfall Outlook</u></p> <p>Forecast accumulated rainfall from today to tomorrow early morning</p> <ul style="list-style-type: none"> • 50-100 mm: The southern portions of Ilocos Sur and the northern portion of La Union. <p>Forecast accumulated rainfall from tomorrow early morning to Thursday early morning</p> <ul style="list-style-type: none"> • 50-100 mm: Ilocos Sur and La Union. <p>Under these conditions, flooding and rain-induced landslides are possible, especially in areas that are highly or very highly susceptible to these hazard as identified in hazard maps and in localities that experienced considerable amounts of rainfall for the past several days.</p> <p>For more information on the areas affected by rains from the Southwest Monsoon enhanced by BETTY, refer to the Weather Advisory #2 for Southwest Monsoon issued at 11:00 PM yesterday and the 24-Hour Public Weather Forecast at 4:00 AM today.</p> <p><u>Severe Winds</u></p> <ul style="list-style-type: none"> • Wind Signals in some areas of Luzon have been lifted. • Minor to moderate impacts caused by gale-force winds remain possible within the areas where Wind Signal No. 2 is hoisted. Minimal to minor impacts from strong winds (i.e., strong breeze to near gale strength) are also possible within any of the areas where Wind Signal No.1 is currently in effect. • The enhanced Southwest Monsoon and outer periphery of the typhoon circulation will also bring occasional gusts in the next 24 hours over Bicol Region, Western Visayas, Aurora, Quezon, Mindoro Provinces, Marinduque, Romblon, Northern Samar, and the rest of Cordillera Administrative Region and Ilocos Norte that are not under any Wind Signal

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HAZARDS AFFECTING COASTAL WATERS

Under the influence of Typhoon BETTY and the enhanced Southwest Monsoon, a **marine gale warning remains in effect** over the seaboard of Northern Luzon, eastern seaboard of Central Luzon, the seaboard of Southern Luzon, and the seaboard of Visayas. For more information, refer to **Gale Warning #6** issued at 5:00 AM today.

TRACK AND INTENSITY OUTLOOK

- Although slight acceleration remains a possibility in the next 12 hours, Typhoon BETTY is forecast to generally move slowly between today and tomorrow as it turns more northward over the waters east of Batanes. Afterwards, the typhoon will gradually accelerate north northeastward on Thursday and northeastward on Friday, bringing its center over the waters southeast of the Ryukyu Islands. Typhoon BETTY may exit the Philippine Area of Responsibility on Friday.
- This typhoon is forecast to steadily weaken over the next five days due to cooler ocean waters (caused by upwelling of cooler waters in its wake), dry air intrusion, and increasing vertical wind shear. BETTY may be downgraded into a severe tropical storm on late Thursday or early Friday and into a tropical storm on late Friday or early Saturday. However, given the extent of the effect of dry air intrusion on the typhoon, a faster weakening rate within the forecast period is not ruled out.

Considering these developments, the public and disaster risk reduction and management offices concerned are advised to take all necessary measures to protect life and property. Persons living in areas identified to be highly or very highly susceptible to these hazards are advised to follow evacuation and other instructions from local officials. **For heavy rainfall warnings, thunderstorm/rainfall advisories, and other severe weather information specific to your area, please monitor products issued by your local PAGASA Regional Services Division.**

The next tropical cyclone bulletin will be issued at 11:00 AM today.

DOST-PAGASA

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